

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. APPLN. NO. 09/707,975
ATTORNEY DOCKET NO. Q61361

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the application:

LISTING OF CLAIMS:

1. *(Cancelled)*.
2. *(Currently Amended)* The telephone system of claim 5[[1]], wherein said ringing indication signal has a voltage amplitude less than 20 V RMS.
3. *(Currently Amended)* The telephone system of claim 5[[1]], wherein said ringing indication signal has a voltage amplitude higher than 1 V RMS.
4. *(Currently Amended)* The telephone system of claim 5[[1]], wherein said ringing indication signal has a voltage amplitude higher than 10 V RMS.
5. *(Currently Amended)* A telephone system wherein analog telephone signals are frequency multiplexed with digital data signals for transmission over a line, wherein an incoming telephone call is announced by a ringing indication signal having a voltage amplitude less than 30 V RMS and comprising ~~The telephone system of claim 1, wherein the ringing indication signal has a spectrum causing no detectable components in the frequency band for digital data signals.~~

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. APPLN. NO. 09/707,975
ATTORNEY DOCKET NO. Q61361

6. (*Currently Amended*) The telephone system of claim 5[[1]], wherein the ringing indication signal has a frequency lower than the frequency of analog ~~analogue~~ telephone signals.

7. (*Currently Amended*) The telephone system of claim 5[[1]], wherein the ringing indication signal has a frequency that is one frequency of a set of available data carriers for digital signals, said digital data signals being transmitted using data carriers ~~with frequency~~ above said one frequency.

8. (*Cancelled*).

9. (*Currently Amended*) The installation of claim 12[[8]], wherein said ringing indication signal has a voltage amplitude less than 20 V RMS.

10. (*Currently Amended*) The installation of claim 12[[8]], wherein said ringing indication signal has a voltage amplitude higher than 1 V RMS.

11. (*Currently Amended*) The installation of claim 12[[8]], wherein said ringing indication signal has a voltage amplitude higher than 10 V RMS.

12. (*Currently Amended*) A central office installation for transmitting and receiving frequency multiplexed analog telephone signals and digital data signals over a line, wherein the installation comprises:

a splitter for demultiplexing and multiplexing analog telephone signals and digital data signals,

a digital data signals device connected to the splitter for transmitting and receiving digital data signals, and

an analog telephone signals device connected to the splitter for transmitting and receiving analog data signals, wherein the analog telephone signals device transmits a ringing indication signal for announcing an incoming telephone call, the ringing indication signal having a voltage amplitude less than 30 V RMS and comprising ~~The installation of claim 8, wherein the ringing indication signal has a spectrum causing no detectable components in the frequency band for~~ digital data signals.

13. (*Currently Amended*) The installation of claim 12[[8]], wherein the ringing indication signal has a frequency lower than the frequency of ~~analog analogue~~-telephone signals.

14. (*Currently Amended*) The installation of claim 12[[8]], wherein the ringing indication signal has a frequency that is a ~~the~~ frequency of a data carrier for the digital signals.

15. (*Currently Amended*) The installation of claim 12[[8]], wherein the analog ~~analogue~~ telephone signals device (14) transmits a ringing signal for announcing an incoming telephone call when said digital data signals device does not receive digital data signals, said ringing signal having a voltage amplitude higher than said ringing indication signal.

16. (*Currently Amended*) The installation of claim 12[[8]], wherein said splitter (6) comprises a low pass filter (10) for filtering analog ~~analogue~~ telephone signals, and a high pass filter (12) for filtering digital data signals, and wherein the order of said low pass and high pass filters is less than 5, ~~and preferably less than 2 or 2.~~

17. (*Cancelled*).

18. (*Currently Amended*) The splitter according to claim 22[[17]], wherein said ringing indication signal has a voltage amplitude less than 30 V RMS.

19. (*Currently Amended*) The splitter of claim 22[[17]], wherein said ringing indication signal has a voltage amplitude less than 20 V RMS.

20. (*Currently Amended*) The splitter of claim 22[[17]], wherein said ringing indication signal has a voltage amplitude higher than 1 V RMS.

21. (*Currently Amended*) The splitter of claim 22[[17]], wherein said ringing indication signal has a voltage amplitude higher than 10 V RMS.

22. (*Currently Amended*) A splitter for transmitting and receiving frequency multiplexed analog telephone signals and digital data signals over a line port, said splitter comprising:

means for demultiplexing and multiplexing analog telephone signals and digital data signals,

a telephone port for transmitting and receiving analog telephone signals to and from said demultiplexing and multiplexing means, and

ringing signal generation means for generating a ringing signal applied to the telephone port when a ringing indication signal is received over said line port. The splitter of claim 17, wherein the ringing indication signal has a spectrum comprising ~~causing~~ no detectable components in the frequency band for digital data signals.

23. (*Currently Amended*) The splitter of claim 22[[17]], wherein the ringing indication signal has a frequency lower than the frequency of analog ~~analogue~~ telephone signals.

24. (*Currently Amended*) The splitter of claim 22[[17]], wherein the ringing indication signal has a frequency that is the frequency of a data carrier for the digital signals and the ringing signal has a voltage amplitude higher than the ringing indication signal.

AMENDMENT UNDER 37 C.F.R. § 1.111
U.S. APPLN. NO. 09/707,975
ATTORNEY DOCKET NO. Q61361

25. (*Currently Amended*) The splitter of claim 22[[17]], further comprising switching means (40)-for isolating said telephone port from said line port when a ringing signal is generated and applied to said telephone port.

26. (*Currently Amended*) The splitter of claim 22[[17]], wherein said demultiplexing and multiplexing means comprise a low pass filter (38)-for filtering analog ~~analogue~~-telephone signals, and a high pass filter (42)-for filtering digital data signals, and wherein the order of said low pass and high pass filters is less than 5, ~~and preferably less than 2 or 2.~~

27. (*Currently Amended*) The splitter of claim 22[[17]], further comprising a digital data signals port for transmitting and receiving digital data signals to and from said demultiplexing and multiplexing means, switching means (44)-between said digital data signals port and said line port, and power detection means (50)-for detecting improper power supply to the splitter and for opening said switching means (44)-when improper power supply is detected.

28. (New) A central office installation for transmitting and receiving frequency multiplexed analog telephone signals and digital data signals over a line, wherein the installation comprises:

a splitter for demultiplexing and multiplexing analog telephone signals and digital data signals,

a digital data signals device connected to the splitter for transmitting and receiving digital data signals, and

an analog telephone signals device connected to the splitter for transmitting and receiving analog data signals, wherein the analog telephone signals device transmits a ringing indication signal for announcing an incoming telephone call, the ringing indication signal having a voltage amplitude less than 30 V RMS, wherein the analog telephone signals device transmits a ringing signal for announcing an incoming telephone call when the digital data signals device does not receive digital data signals and the ringing signal has a voltage amplitude higher than the ringing indication signal.